

The Departments of Electrical and Mechanical Engineering jointly organized Vishwakarma Puja on 17th September 2025 at our college campus. This year's celebration was extra special as our institution proudly marks 25 glorious years of excellence.

The occasion was graced by the enthusiastic participation of all faculty and staff members from Teamfuture. A vibrant cultural program was held in the main auditorium, followed by a festive lunch graciously arranged by our management. The day truly reflected the spirit of togetherness, tradition, and celebration of our institutional journey.



## Student Surge



Our third and final year students actively participated in a five-day seminar and workshop on **"Power Electronics and Renewable Energy (PEARE-2025)"** held from **22<sup>nd</sup> to 26<sup>th</sup> September, 2025**, jointly organized by the **IEEE Industry Application Society (IEEE-IAS), Kolkata Chapter and the Department of Applied Physics, University of Calcutta.**



The event provided a valuable platform for students to gain hands-on exposure to the latest advancements in power electronics, renewable energy systems, and sustainable technologies. Through interactive sessions, expert lectures, and technical demonstrations, students enhanced their understanding of real-world applications and emerging research trends in the domain.



It was a highly enriching experience that not only broadened their technical knowledge but also inspired them to pursue innovation and research in clean and green energy solutions.

## Editorial Sparks

**Faculty Advisor: Prof. Tamal Dutta**  
**Student Editor: Sohom Banerjee (4<sup>th</sup> Year)**  
**Creative Designer: Sudipta Jana (3<sup>rd</sup> Year)**

# SPARKED

The Pulse of Electrical Engineering  
September | 2025



## Voice of the Department

The Department of Electrical Engineering continues its journey of innovation and excellence through quality teaching and hands-on learning. The departmental newsletter highlights the achievements of students and faculty, showcasing our collective growth and creativity.

Recent events such as workshops, seminars, and industrial visits have enriched students' technical knowledge and practical exposure. With continuous enthusiasm and teamwork, the department strives to empower future engineers with knowledge and innovation.



Prof. Amitabha Bhattacharjee  
Assistant Professor  
Electrical Engineering, FIEM

## Highlights for the month

8<sup>th</sup> September : Teachers Day Celebration

17<sup>th</sup> September : Viswakarma Puja Celebration

Best Session Paper Presentation by Prof. Amitabha Bhattacharjee

## Upcoming Surge

Alumni Meet (online): Date will be announced soon

Photography Competition: Date yet to be announced

# Teacher's Day Celebration



This year, due to some unavoidable circumstances, our department celebrated Teacher's Day on 8<sup>th</sup> September 2025 with great enthusiasm and warmth. The program was beautifully organized by our students to express their respect, admiration, and gratitude towards their teachers.

The event featured heartfelt speeches, cultural performances, and fun activities that highlighted the special bond between teachers and students. It was a delightful occasion where students conveyed their appreciation for the guidance, dedication, and inspiration provided by their mentors.

The celebration not only honored the invaluable role of teachers but also reinforced the spirit of learning and togetherness within the department.



## Power Highlights



On 11<sup>th</sup> September 2025, the Department of Basic Science and Humanities, in association with StudyIn, hosted an engaging seminar titled **"Memes to Machines: How AI Shapes Our World."**

The session was led by **Mr. Rittwick Visen**, International Marketing and Recruitment Officer, ANU International Strategy Future Students Division, Australia. With his dynamic insights, he showcased how AI is revolutionizing everything — from fun internet memes to groundbreaking global innovations.

Our first and second-year students enthusiastically participated, gaining fresh perspectives on the exciting possibilities of Artificial Intelligence and its role in shaping the future. The seminar was both thought-provoking and inspiring, leaving students curious to explore more about the world of AI.



## Faculty Spark

We are proud to share that Prof. Amitabha Bhattacharjee from our department attended the International Conference on Innovation in Energy Management and Renewable Resources (IEMRE 2025), organized by the Institute of Engineering & Management, Kolkata from 12<sup>th</sup> to 14<sup>th</sup> September 2025.

He presented the Best Session Paper entitled **"Development of Modified Type-C DC-DC Converter for Efficient Charging and Discharging of EV Batteries using PI Controller."** This remarkable recognition highlights our department's ongoing commitment to advancing cutting-edge research in renewable energy and sustainable technologies.



The Department of Electronics and Communication Engineering, Future Institute of Technology, Kolkata organized the 7<sup>th</sup> edition of XPLORE'25 on 12<sup>th</sup> September 2025, in association with IIC, FIT. XPLORE'25 is a celebration of innovation and technical excellence, providing students with a vibrant platform to showcase their talents.

One of the flagship events, PROJECTION—an innovative project competition—featured creative and cutting-edge student projects. We are proud that our faculty, Prof. Tamal Dutta, was invited to serve as a judge for this event, recognizing his expertise in solving real-world engineering problems. His presence added immense value to the program and encouraged students to think beyond boundaries.

